

SWITCH-DISCONNECTOR 200A, FRAME SIZE 2, 3-POLE FRONT OPERATING LEFT COMPLETE ASSEMBLY DIRECT OPERATING MECHANISM GREY FLAT TERMINAL INCL. PHASE BARRIERS



Model	
product brandname	SENTRON
Display version / for switch position indicator manual operation	ON-OFF-TEST
Type of the driving mechanism / motor drive	No
General technical data	
Number of poles	3
Type of device	fixed mounting
Size of switch disconnector	2
Electrical endurance (switching cycles)	
<ul style="list-style-type: none"> at AC-23 A / at 690 V / at 50/60 Hz 	1 500
<ul style="list-style-type: none"> at DC-23 A / at 440 V 	1 000
<ul style="list-style-type: none"> I²t value / with closed switch / for combination switch + fuse / at 500 V / maximum 	210 500 A ² ·s
<ul style="list-style-type: none"> I²t value / with closed switch / for combination switch + fuse / at 400 V / maximum 	210 500 A ² ·s
<ul style="list-style-type: none"> I²t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum 	226 000 A ² ·s

<ul style="list-style-type: none"> • I2t value / of the fuse / at 500 V / maximum permissible 	780 005 A ² ·s
<ul style="list-style-type: none"> • I2t value / of the gG fuse / at 690 V / maximum permissible 	525 005 A ² ·s
circuit-breaker / Design	3KD3
Mechanical service life (switching cycles) / typical	15 000
Position / of the switch operating mechanism	at the left end
Overvoltage category	III

Voltage

Operating voltage / with current paths in series	
<ul style="list-style-type: none"> • with degree of pollution 3 / at DC / rated value / Note 	440 / 3
Insulation voltage	
<ul style="list-style-type: none"> • rated value 	1 000 V
Surge voltage resistance / rated value	8 kV
Overvoltage in percent / relative to the operating voltage / at AC / at 50/60 Hz	10 %

Protection class

Protection class IP	IP00
Protection class IP	
<ul style="list-style-type: none"> • with closed switch / with cover or cable lug cover 	IP20
<ul style="list-style-type: none"> • on the front 	IP00

Dissipation

Power loss [W]	
<ul style="list-style-type: none"> • with conventional rated thermal current / per pole 	10 W

Electricity

<ul style="list-style-type: none"> • Operating current / at AC-21 A / at 400 V / maximum 	200 A
<ul style="list-style-type: none"> • Operating current / at AC-21 A / at 500 V / maximum 	200 A
<ul style="list-style-type: none"> • Operating current / at AC-21 A / at 690 V / maximum 	200 A
<ul style="list-style-type: none"> • Operating current / at AC-23 A / at 500 V / at 50/60 Hz / rated value / maximum 	160 A
<ul style="list-style-type: none"> • Operating current / at AC-22 A / at 500 V / at 50/60 Hz / rated value / maximum 	200 A
<ul style="list-style-type: none"> • Operating current / at AC-22 A / at 400 V / at 50/60 Hz / rated value / maximum 	200 A
<ul style="list-style-type: none"> • Operating current / at AC-22 A / at 690 V / at 50/60 Hz / rated value / maximum 	200 A

<ul style="list-style-type: none"> • Operating current / at AC-23 A / at 400 V / at 50/60 Hz / rated value / maximum 	160 A
<ul style="list-style-type: none"> • Operating current / at AC-23 A / at 690 V / at 50/60 Hz / rated value / maximum 	125 A
<ul style="list-style-type: none"> • Operating current / at DC-23 A / at 440 V / rated value / maximum 	160 / 3
<ul style="list-style-type: none"> • Operating current / at DC-23 A / at 220 V / rated value / maximum 	160 / 2
<ul style="list-style-type: none"> • Operating current / at DC-22 A / at 440 V / rated value / maximum 	160 / 3
<ul style="list-style-type: none"> • Operating current / at DC-22 A / at 220 V / rated value / maximum 	160 / 2
<ul style="list-style-type: none"> • Operating current / at DC-21 A / at 440 V / rated value / maximum 	160 / 3
<ul style="list-style-type: none"> • Operating current / at DC-21 A / at 220 V / maximum 	160 / 2
Continuous current	
<ul style="list-style-type: none"> • rated value 	200 A
<ul style="list-style-type: none"> • at 40 °C / rated value 	200 A
<ul style="list-style-type: none"> • at 45 °C / rated value 	200 A
<ul style="list-style-type: none"> • at 50 °C / rated value 	200 A
<ul style="list-style-type: none"> • at 55 °C / rated value 	200 A
<ul style="list-style-type: none"> • at 60 °C / rated value 	200 A
<ul style="list-style-type: none"> • at 65 °C / rated value 	200 A
<ul style="list-style-type: none"> • at 70 °C / rated value 	200 A
Continuous current / at DC / rated value	160 A
Let-through current / of the fuse / at 500 V / maximum permissible	24 872 A
Let-through current / of the gG fuse / at 690 V / maximum permissible	25 005 A
Let-through current / with closed switch	
<ul style="list-style-type: none"> • at 690 V / for combination switch + gG fuse / maximum permissible 	19 000 A
<ul style="list-style-type: none"> • for combination switch + fuse / at 400 V / maximum permissible 	18 000 A
<ul style="list-style-type: none"> • for combination switch + fuse / at 500 V / maximum permissible 	18 000 A
Short-time current resistance (I_{cw})	
<ul style="list-style-type: none"> • limited to 1 s / rated value 	4 kA
<ul style="list-style-type: none"> • at 690 V AC/440 V DC / limited to 1 s / rated value 	4 kA
Main circuit	
Operating power	
<ul style="list-style-type: none"> • at AC-23 A / at 400 V / at 50/60 Hz / rated value 	90 kW

<ul style="list-style-type: none"> • at AC-23 A / at 500 V / at 50/60 Hz / rated value • at AC-23 A / at 690 V / at 50/60 Hz / rated value 	110 kW
Operating voltage	
<ul style="list-style-type: none"> • at AC / at 50/60 Hz / rated value 	690 V

Auxiliary circuit

Number of connected NC contacts / for auxiliary contacts	0
Number of connected NO contacts / for auxiliary contacts	0
Number of connected CO contacts / for auxiliary contacts	0

Suitability

Suitability for use	
<ul style="list-style-type: none"> • Main switch • switch disconnecter • EMERGENCY OFF switch • safety switch • maintenance/repair switch 	<p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p>

Product details

Product feature / interlock	Yes
Product component	
<ul style="list-style-type: none"> • Trip indicator • Voltage trigger • undervoltage release • undervoltage release with leading contact 	<p>No</p> <p>No</p> <p>No</p> <p>No</p>
Product extension	
<ul style="list-style-type: none"> • Auxiliary switch • optional <ul style="list-style-type: none"> — motor drive — Voltage trigger 	<p>Yes</p> <p>No</p> <p>No</p>

Short circuit

<ul style="list-style-type: none"> • Short-circuit current making capacity (I_{cm}) / for switch disconnecter / at 690 V AC/440 V DC / without fuse link / rated value / minimum • Short-circuit current making capacity (I_{cm}) / for switch disconnecter / without fuse link / rated value / minimum 	12 kA
Conditional short-circuit current	
<ul style="list-style-type: none"> • with line-side fuse protection / at 500 V / by gG fuse / rated value 	50 kA

Connections

<ul style="list-style-type: none"> Type of connectable conductor cross-sections / for aluminum conductor / stranded / with lug 	1x(1070mm ²)
Type of electrical connection <ul style="list-style-type: none"> for main current circuit 	flat connector

Mechanical Design

Height	168 mm
Width	121 mm
Depth	97 mm
Mounting position	any
Mounting type <ul style="list-style-type: none"> front mounting with 4-hole attachment front mounting with central attachment rail mounting 	No No Yes
Net weight	850 g

Environmental conditions

Degree of pollution	3
Ambient temperature <ul style="list-style-type: none"> during operation / minimum during operation / maximum during storage / minimum during storage / maximum 	-25 °C 70 °C -50 °C 80 °C

Certificates

Equipment marking <ul style="list-style-type: none"> acc. to DIN EN 61346-2 acc. to DIN EN 81346-2 	Q Q
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General Product Approval	Declaration of Conformity
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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KD3632-0NE10-0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3KD3632-0NE10-0/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD3632-0NE10-0

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



